

## INTERNATIONAL SEARCH REPORT

Inter Application No  
PC, L 2004/008683

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/415 C12N15/82 A01H5/00 C12N15/29

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ROSSI M ET AL: "The nematode resistance gene Mi of tomato confers resistance against the potato aphid"          PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US,          vol. 95, no. 17,          18 August 1998 (1998-08-18), pages          9750-9754, XP002262826          ISSN: 0027-8424          cited in the application          the whole document</p> <p style="text-align: right;">-/--</p>	1-19, 21-31, 34-43

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the international search

2 November 2004

Date of mailing of the international search report

24/11/2004

Name and mailing address of the ISA

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Inter	Application No
PCT/EP2004/008683	

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	& DATABASE EMBL 'Online! 19 August 1998 (1998-08-19), "Lycopersicon esculentum disease resistance gene homolog Mi-copy2 gene, complete cds; resistance gene pseudogene, complete sequence; disease resistance gene homolog Mi-copy1 gene, complete cds; and unknown gene." retrieved from EBI accession no. EM_PRO:U81378 Database accession no. U81378 ----- WO 98/06750 A (ZABEAU MARC ; SIMONS GUUS (NL); KEYGENE NV (NL); VOS PIETER (NL); WIJB) 19 February 1998 (1998-02-19) page 13, line 5 - line 18; figures 5,7 ----- MILLIGAN S B ET AL: "The root knot nematode resistance gene Mi from tomato is a member of the leucine zipper, nucleotide binding, leucine-rich repeat family of plant genes" PLANT CELL, AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD, US, vol. 10, no. 8, August 1998 (1998-08), pages 1307-1319, XP002262827 ISSN: 1040-4651 cited in the application page 1311, column 2, paragraph 2 - page 1315, column 2, paragraph 1 ----- DATABASE EMBL 'Online! 13 November 2001 (2001-11-13), "Solanum nigrum NBS-LRR pseudogene, partial sequence." XP002262829 retrieved from EBI accession no. EM_PRO:AY055116 Database accession no. AY055116 cited in the application abstract ----- SONG J ET AL: "Gene RB cloned from Solanum bulbocastanum confers broad spectrum resistance to potato late blight" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, US, vol. 100, no. 16, 5 August 2003 (2003-08-05), pages 9128-9133, XP002262828 ISSN: 0027-8424 cited in the application figure 4 -----	1-19, 21-31, 34-43 1-19, 21-31, 34-43 1-19, 21-31, 34-43 1-43 1-43

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Inter:	Application No
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BRADEEN J M ET AL: "CONCOMITANT REITERATIVE BAC WALKING AND FINE GENETIC MAPPING ENABLE PHYSICAL MAP DEVELOPMENT FOR THE BROAD-SPECTRUM LATE BLIGHT RESISTANCE REGION, RB" MGG - MOLECULAR GENETICS AND GENOMICS, SPRINGER VERLAG, BERLIN, DE, vol. 269, no. 5, August 2003 (2003-08), pages 603-611, XP009021738 ISSN: 1617-4615 the whole document -----	1-43
P, X	EP 1 334 979 A (KWEEK EN RES BEDRIJF AGRICO B) 13 August 2003 (2003-08-13) the whole document -----	1-43
P, X	VAN DER VOSSEN EDWIN ET AL: "An ancient R gene from the wild potato species Solanum bulbocastanum confers broad-spectrum resistance to Phytophthora infestans in cultivated potato and tomato." PLANT JOURNAL, vol. 36, no. 6, December 2003 (2003-12), pages 867-882, XP002303445 ISSN: 0960-7412 the whole document -----	1-43

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